

Resource Summary Report

Generated by [RRID](#) on Aug 18, 2026

[pAAV-Ef1a-DIO hChR2\(E123T/T159C\)-mCherry](#)

RRID:Addgene_35510

Type: Plasmid

Proper Citation

RRID:Addgene_35510

Plasmid Information

URL: <http://www.addgene.org/35510>

Proper Citation: RRID:Addgene_35510

Insert Name: hChR2

Organism: Chlamydomonas reinhardtii

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:22179551](#)

Vector Backbone Description: Backbone Marker:Stratagene; Backbone Size:5605; Vector Backbone:pAAV; Vector Types:Mammalian Expression, AAV; Bacterial Resistance:Ampicillin

Comments:

Plasmid Name: pAAV-Ef1a-DIO hChR2(E123T/T159C)-mCherry

Relevant Mutation: E123T and T159C

Record Creation Time: 20220422T222151+0000

Record Last Update: 20260815T081401+0000

Ratings and Alerts

No rating or validation information has been found for pAAV-Ef1a-DIO hChR2(E123T/T159C)-mCherry.

No alerts have been found for pAAV-Ef1a-DIO hChR2(E123T/T159C)-mCherry.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 3 mentions in open access literature.

Listed below are recent publications. The full list is available at [RRID](#) .

Naffaa MM, et al. (2023) Cortical regulation of neurogenesis and cell proliferation in the ventral subventricular zone. Cell reports, 42(7), 112783.

Shima Y, et al. (2023) Distinctiveness and continuity in transcriptome and connectivity in the anterior-posterior axis of the paraventricular nucleus of the thalamus. Cell reports, 42(10), 113309.

Trouche S, et al. (2019) A Hippocampus-Accumbens Tripartite Neuronal Motif Guides Appetitive Memory in Space. Cell, 176(6), 1393.